

**Jetstream-31 (J31) Flight Plan for INTEx-ITCT**  
**Flight 9**  
**16 July 2004**

Aqua overpass profiles and near-surface legs, with possible Ron Brown profile

Objectives:

1. Aqua overpass (1348 EDT, 1748 UT): profiles down & up, with 30-min leg near surface and radiation legs keyed to aerosol layers
2. Ron Brown rendezvous: If clear, profile up with sonde release. If stratus, overfly stratus.

Local Times:

11:30 Doors Close

12:00 Takeoff

Head for 42.5 N, 67W at most efficient altitude (18-20 kft?). Look for clear area East of Points E & K. Spiral down in clear area, toward south part. At 200', fly north for 30 min ~centered on 1348 EDT. At N limit, spiral up with 2-3 level legs (5-10 min each) at heights chosen based on AOD descent profile.

At top of profile head for Ron Brown (est 43 deg 15' N, 70 deg 15' W). If Brown is clear profile down to 200'. 5-min leg past ship on STARBOARD SIDE (lidar scans on port side). Ascend with sonde released from balloon. Follow to J31 ceiling.

Head home.

